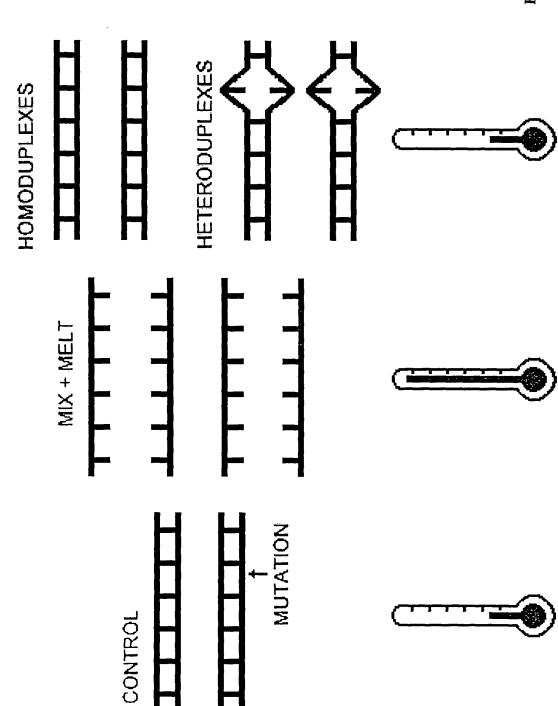
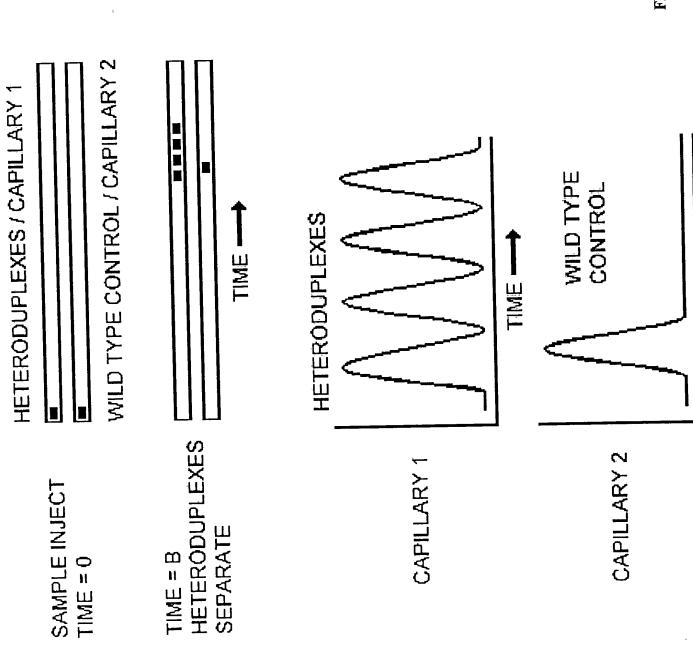
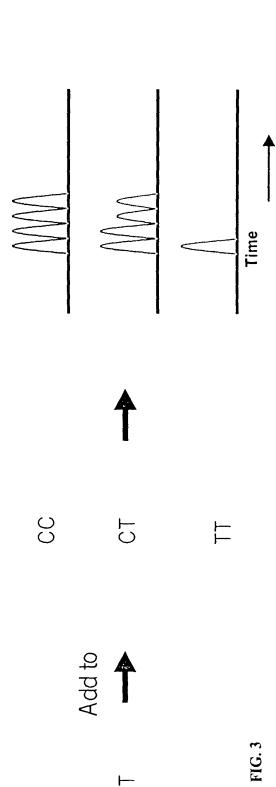
Formation of homo- and heteroduplexes



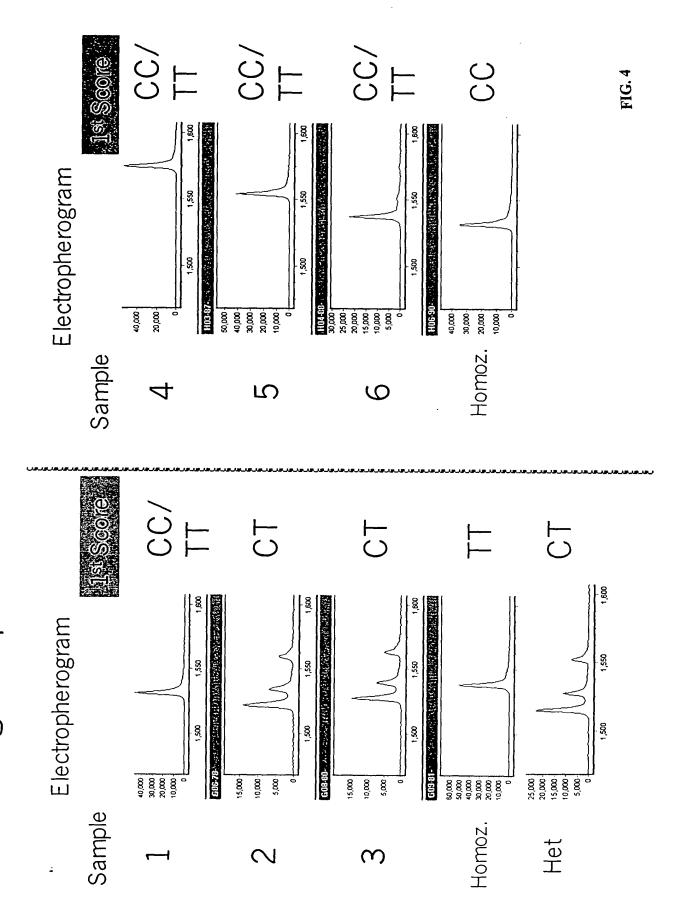
1/20



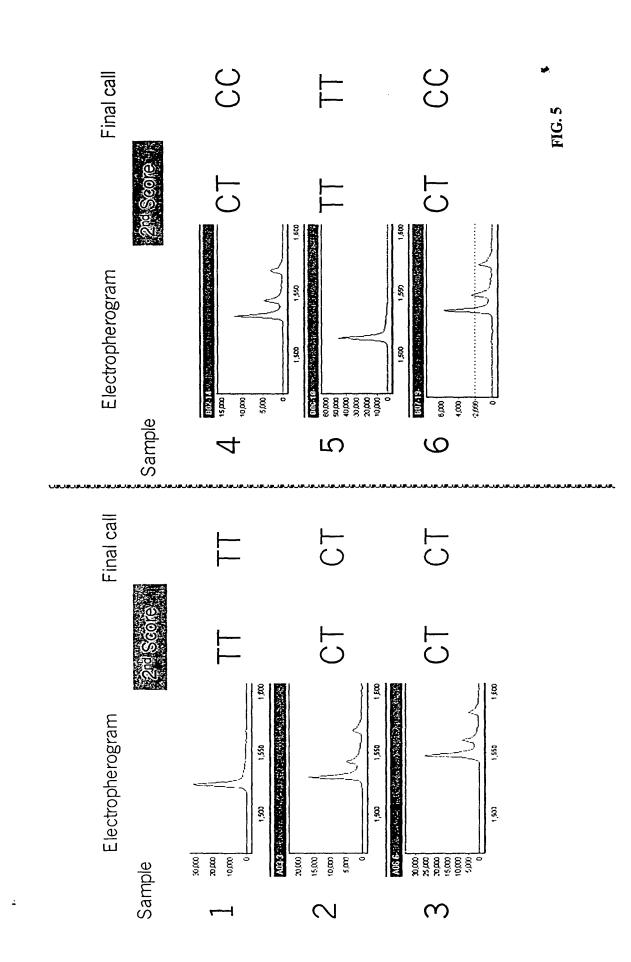
2/20



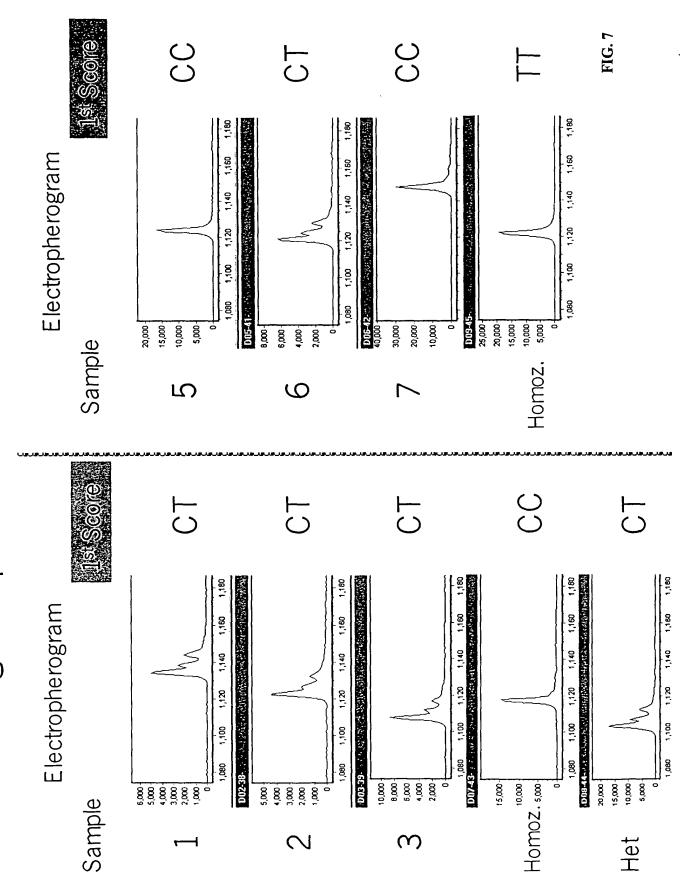
Testing Samples without Addition of Control



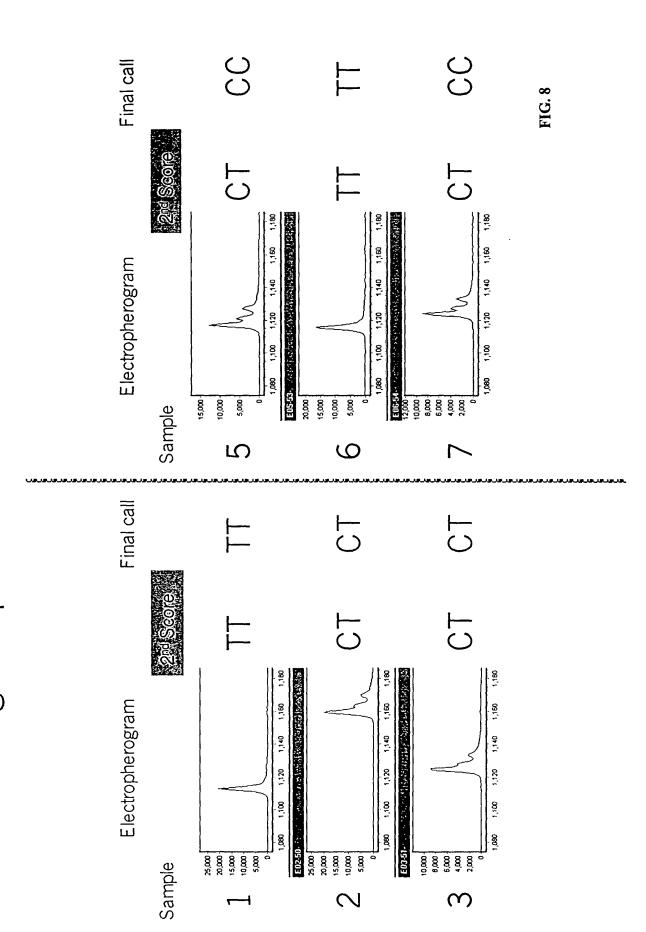
Testing Samples Mixed with Control TT

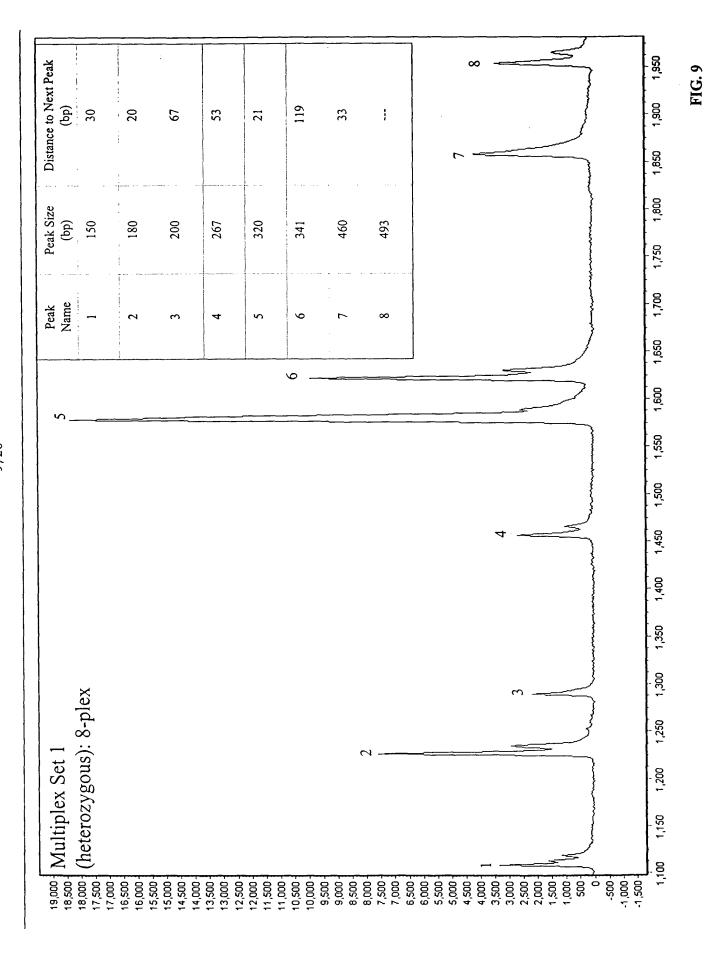


Testing Samples Mixed with Control CC



Testing Samples Mixed with Control TT

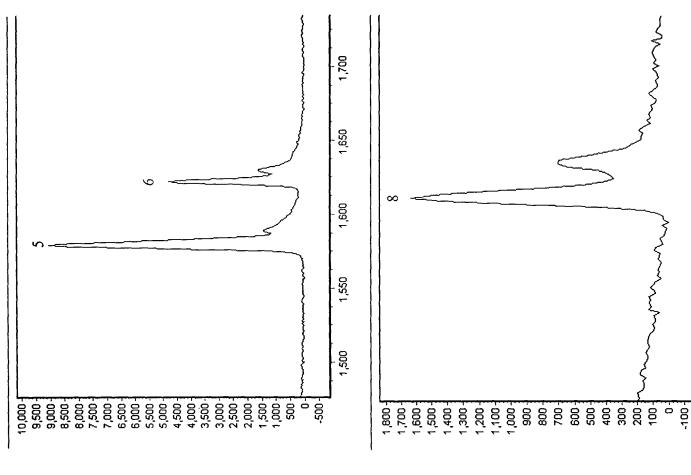


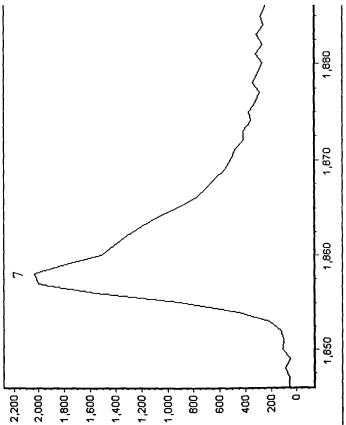


Individual Peak Magnification



FIG. 11





2,000

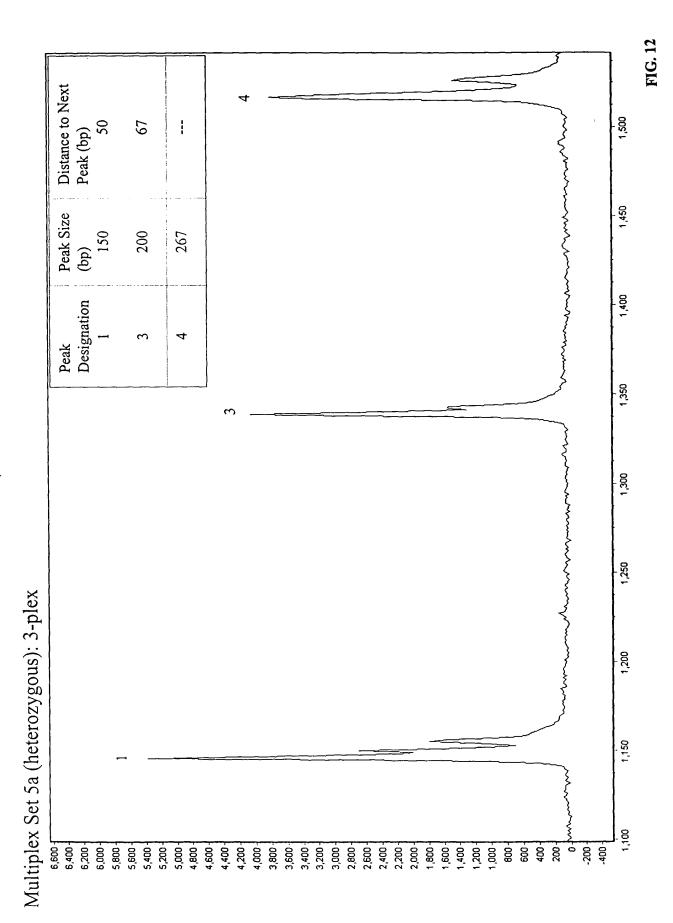
1,980

1,960

1,940

1,920

1,900



1,500 Distance to Next Peak (bp) 67 1,450 Peak Size (bp) 150 200 267 1,400 Peak Designation 1,350 1,300 1,250 Multiplex Set 5b (homozygous): 3-plex 1,200 1,150 5,000 -4,600 4,400 4,200 4,000 3,800 3,600 3,400 2,200 800 3,200 3,000-2,800 2,600 2,400-2,000-1,800 1,600 1,400 1,200-1,000 004 200

FIG. 13

14/20

Procedure Flowchart

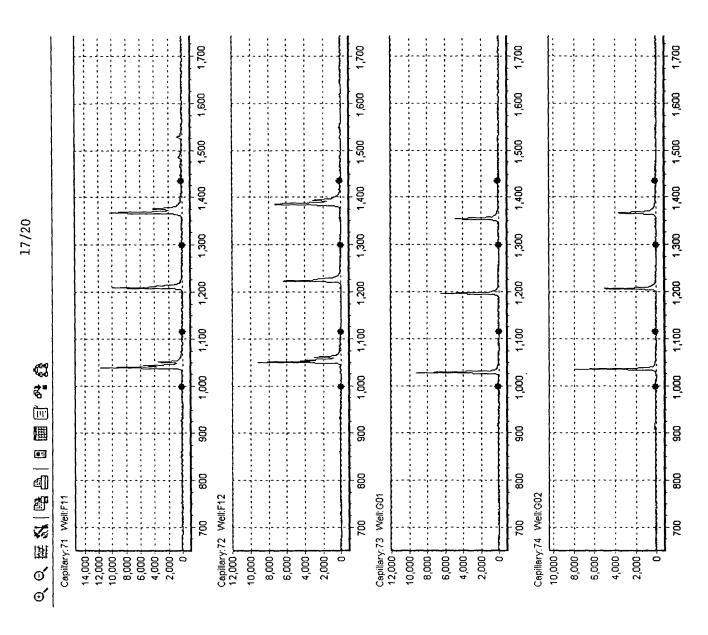
Forming heteroduplexes directly and/or adding the PCR product of wild-type control to testing PCR samples, then performing heteroduplex formation PCR amplification of DNA regions of interest, either single reaction or Combining single and/or multiplexed PCR reactions separation by temperature gradient electrophoresis Data analysis/genotype scores multiplexed reactions

FIG. 14

X Cancel	- Control	AA CC	-	55	Mombo	Member	Sample Match		חפאפו			Save
					2.3							•
11			12	24	36	48	9	72	84	98	: :	
				23	35	47	59	7	83	95	(C)	
			10	22	34	46	28	70	82	क		
			6	21	33	45	57	69	81	66		
1000 0 1000 0 1000 0 1000 0 1000 0			8	20	32	7.7.	26	89	80	92		
				<u>.</u>	33	43	55	29	73	·B	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	
			9		30	42	.54	99	78	06		
			5	4	29] t	\$53°	65	Z	89		\$.
				91	28	40	52	P9	76	88		
,		per	က	15	27	39	5	63	75	87		
		Nun	7	14	26	38	50	62	r_	98		
		-Well Nur	-	13	25	37	49	61	73	88		r
i i								•				7
Group: 2		-Tray Row	SelectA	SelectB	SelectC	SelectD	SelectE	SelectF	SelectG	SelectH	Select All	

FIG. 15

Cap #	Sample ID	Control #	Control Type	Mutation Score	Call	Confidence Score Comments
D 01 (37)		007 (43)	23	227	+	100
(38) 200		D07 (43)	8	191	+	100
a D03 (38)		D07 (43)	8	110	+	100
😂 D04 (40)		D07 (43)	8	9		0
D05 (41)		D07 (43)	8	274	+	100
© D06 (42)		D07 (43)	음	2	•	0
D07 (43)		D07 (43)	৪	0		0
D08 (44)		D07 (43)	8	183	+	100
D D09 (45)		009 (45)	11	0	,	0
E01 (49)		D09 (45)	E	78	•	20
© E02 (50)		009 (45)	11	171	+	100
E03 (51)		D09 (45)		122	. +	100
E 04 (52)		D09 (45)		186	+	100
🚭 E05 (53)		D09 (45)	E	Б		0
(E 06 (54)		009 (45)	11	158	+	100
C. GenoType Call Resu	Result					
No.	Sar	Sample ID	Cap Number		GenoType 🧢	Comments of the second of the
-	٠		37:49		—	
2			38:50	J	כו	
က			39:51	U	<u>. </u>	
₹	•		40:52		ب	
വ	٠		41:53	_	J	
9	•		42:54	U	ပ္	FIG. 16



	CONTROL	27. WILD TYPE
NEGATIVE RESULT		
POSITIVE RESULT		

FIG. 18

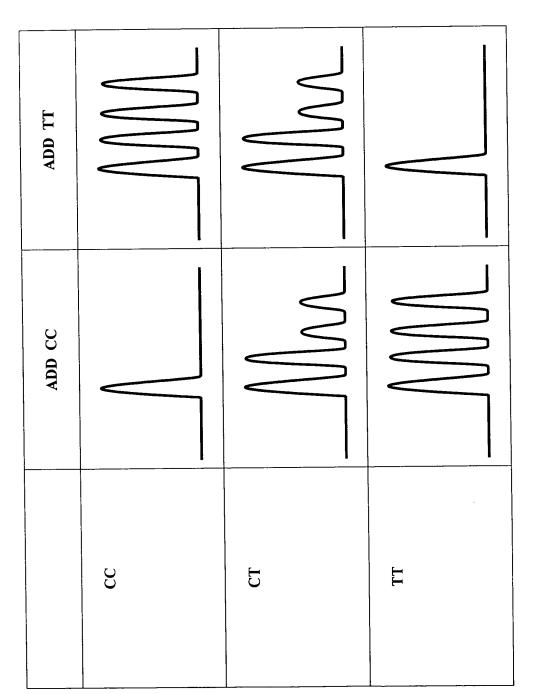


FIG. 19

